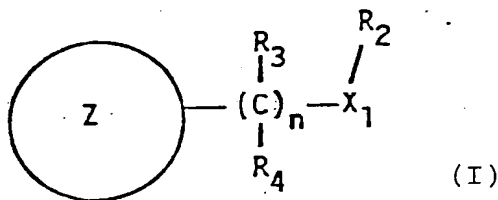




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification⁴ : C07J 41/00, 43/00, A61K 31/56 A61K 31/58, C07C 87/34, 87/455 C07D 213/38, C07F 9/24 C07F 9/22, A61K 31/13</p>	A3	<p>(11) International Publication Number: WO 87/ 02367</p> <p>(43) International Publication Date: 23 April 1987 (23.04.87)</p>
<p>(21) International Application Number: PCT/US86/02116</p> <p>(22) International Filing Date: 7 October 1986 (07.10.86)</p> <p>(31) Priority Application Numbers: 788,995 843,120</p> <p>(32) Priority Dates: 18 October 1985 (18.10.85) 24 March 1986 (24.03.86)</p> <p>(33) Priority Country: US</p> <p>(60) Parent Applications or Grants (63) Related by Continuation US 843,120 (CIP) Filed on 24 March 1986 (24.03.86) US 788,995 (CIP) Filed on 18 October 1985 (18.10.85)</p> <p>(71) Applicant (for all designated States except US): THE UPJOHN COMPANY [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).</p>		<p>(72) Inventors; and (75) Inventors/Applicants (for US only) : JOHNSON, Roy, A. [US/US]; 2122 Frederick Avenue, Kalamazoo, MI 49008 (US). BUNDY, Gordon, L. [US/US]; 7622 Ravenswood Drive, Kalamazoo, MI 49002 (US). YOUNGDALE, Gilbert, A. [US/US]; 1702 Greenbri- ar Drive, Portage, MI 49002 (US). MORTON, Doug- las, R. [US/US]; 3128 Tattersal Road, Portage, MI 49081 (US).</p> <p>(74) Agent: KOIVUNIEMI, Paul, J.; Patent Law Depart- ment, The Upjohn Company, Kalamazoo, MI 49001 (US).</p> <p>(81) Designated States: AT (European patent), BE (Euro- pean patent), CH (European patent), DE (European patent), FR (European patent), GB (European pa- tent), IT (European patent), JP, LU (European pa- tent), NL (European patent), SE (European patent), US, US.</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p> <p>(88) Date of publication of the international search report: 30 June 1988 (30.06.88)</p>

(54) Title: CYCLIC HYDROCARBONS WITH AN AMINOALKYL SIDECHAIN



(57) Abstract

Provided are cyclic hydrocarbons of Formula (I) with an aminoalkyl sidechain that are useful for treating phospholipase A2-mediated conditions, diabetes and obesity.

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FI	Finland				

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 86/02116

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) ⁶ According to International Patent Classification (IPC) or to both National Classification and IPC 4 C 07 J 41/00; C 07 J 43/00; A 61 K 31/56; A 61 K 31/58; IPC C 07 C 87/34; C 07 C 87/455; C 07 D 213/38; C 07 F 9/24; ./																										
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INTERNATIONAL SEARCH REPORT

-2-

International Application No **PCT/US 86/02116**

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FURTHER INFORMATION CONTINUED FROM THE SECOND SHEET

V. ☒ OBSERVATIONS WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE¹

This International search report has not been established in respect of certain claims under Article 17(2) (a) for the following reasons:

1. ☒ Claim numbers XX, because they relate to subject matter not required to be searched by this Authority, namely:

XX Claims 1, 2, 9, 11, 12

See PCT Rule 39.1 (iv):

Methods for treatment of the human or animal body by means of surgery or therapy, as well as diagnostic methods.

2. ☐ Claim numbers....., because they relate to parts of the International application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claim numbers....., because they are dependent claims and are not drafted in accordance with the second and third sentences of PCT Rule 6.4(a).

VI. ☐ OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING²

This International Searching Authority found multiple inventions in this International application as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims of the international application.
2. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims of the international application for which fees were paid, specifically claims:
3. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim numbers:
4. ☐ As all searchable claims could be searched without effort justifying an additional fee, the International Searching Authority did not invite payment of any additional fee.

Remark on Protest

- ☐ The additional search fees were accompanied by applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

ANNEX TO THE INTERNATIONAL SEARCH REPORT ON

INTERNATIONAL APPLICATION NO.

PCT/US 86/02116 (SA 15047)

This Annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 01/07/87

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR-A- 1421230		None	
US-A- 3284475		None	
DE-A- 1187236		None	
US-A- 3370070		None	
US-A- 3284474		None	
US-A- 3639598	01/02/72	None	
US-A- 3107255		None	
US-A- 3084156		None	
GB-A- 1074578		CH-A- 452508 NL-A- 302345 BE-A- 641640 US-A- 3228976 US-A- 3202712 DE-A- 1241443 FR-M- 3559 FR-A- 1387971 US-A- 3244750 US-A- 3202703	
FR-A- 1337759		None	

For more details about this annex :
see Official Journal of the European Patent Office, No. 12/82